

Date: Wednesday, 11/04/2007 10:13:57 AM
User: Linda Lacelle

Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: ARMOR SHIELD
Job Number	: 31723		
Estimate Number	: 12379		
P.O. Number	: <i>N/A</i>	Part Number	: D407667105A
This Issue	: 11/04/2007 S.O. No. : <i>N/A</i>	Drawing Number	: DSI9326
Prsht Rev.	: NC	Project Number	: N/A
First Issue	: <i>N/A</i> Type : LANDING GEAR	Drawing Revision	: A
Previous Run	: <i>N/A</i>	Material	: <i>N/A</i>
Written By	: <i>[Signature]</i>	Due Date	: 16/04/2007 Qty: 1 Um: Each
Checked & Approved By	: <i>[Signature]</i>		
Comment	Est Rev: A New Issue 06-04-19 JLM		

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	DC	DOCUMENT CONTROL
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Comment: Photocopy bluefile & type labels per PPPD407-667-105A CHG001
Add DSI 9326 to existing paper work.

KS 07-04-12 ①

2.0	D407667105	FWD Crosstube
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Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)
Fwd Crosstube
Batch: *B31053* *ml 07 04 11*

①

3.0	HAND FINISHING1	HAND FINISHING RESOURCE #1
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Comment: HAND FINISHING RESOURCE #1
1-Remove tube from packaging

2-Apply Armor sheild as per DSI 9326
A/R Armor Sheild Batch: *m103815*

81
ml 07 04 11

①

4.0	QC14	INSPECT SPRAY PAINT
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Comment: Inspect Spray Paint

20704.12 ①

5.0	PACKAGING 1	PACKAGING RESOURCE #1
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Comment: PACKAGING RESOURCE #1
Identify and pack for shipping as per PPP D407-667-105A
Location: *DRAFT*
PPP Rev: *07/4/13*

①

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☒ No ☐ DQA: ☒ Date: 07/04/13

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Wednesday, 11/04/2007 10:13:57 AM
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Drawing Name: ARMOR SHIELD

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Seq. #:

Machine Or Operation:

Description :

6.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

②
D07/04/13

Job Completion



W D7-04-13

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DESIGN PH	DRAWN BY PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED J.S.	APPROVED J.S.	DRAWING NO. DSI 9326	REV. A SHEET 1 OF 1
DATE 06.02.14		TITLE ARMOR SHIELD	SCALE NTS
A	06.02.14	NEW ISSUE	

DART SERVICE INSTRUCTION

To further protect Dart crosstubes from mechanical damage in service, they may be treated with "Armor Shield" surface treatment.

INSTALLATION	CANADIAN STC	FAA STC
D205-596-101/-103/-105/-107	SH03-6	SR01742NY
D212-664-101/-201 D412-664-203	SH01-9	SR01298NY
D206-667-101/-103/-201/-203 D407-667-105/-205	SH01-5	SR01304NY
D058-676-101/-201	N/A	SR01018SE

To designate crosstubes with 'Armor Shield' add 'A' to the Part Number. For example, D206-667-101A is a D206-667-101 crosstube coated with Armor Shield. It is acceptable to apply the Armor Shield in regions shown in Figure 1 only. It is **NOT** acceptable to apply Armor Shield in the cuff and support/clamp regions.

1.0 To apply Armor Shield

- 1) Ensure the crosstube is appropriately finished in accordance with the relevant manufacturing drawing or instruction for Continued Airworthiness (ICA).
- 2) Mask areas around supports and cuffs per Figure 1. Abrade paint finish in areas requiring protection using 320 grit sandpaper.
- 3) Clean/degrease surface of crosstube using Methyl Ethyl Ketone (MEK), 4105S Wash'n Wipe Degreaser, or equivalent and wipe the surface to clean the entire area
- 4) Apply 3 coats of Proform PF 746 or PF 746-1 to surface (apply additional coats when surface is dry, but not fully cured)
- 5) Allow 5 hours for coating to dry.
- 6) Apply 2 coats of Imron 500s Polyurethane Enamel clear + Dupont Imron Polyurethane Enamel Activator 192S (mix 3:1). Mix 15 minutes prior to application and allow 15 minutes before applying additional coats.

2.0 Armor Shield removal/re-application

To remove the Armor Shield coating or if damage to the coating and/or crosstube is observed during inspection.

- 1) Remove Armor Shield from the affected area using 80 grit sandpaper. To remove Armor Shield from larger areas, bead blasting has been determined to be the most effective technique.
- 2) Repair mechanical damage (within limits) to the crosstube and touch up finish in accordance with the relevant ICA.
- 3) Apply Armor Shield in accordance with Section 1.0 of these instructions.

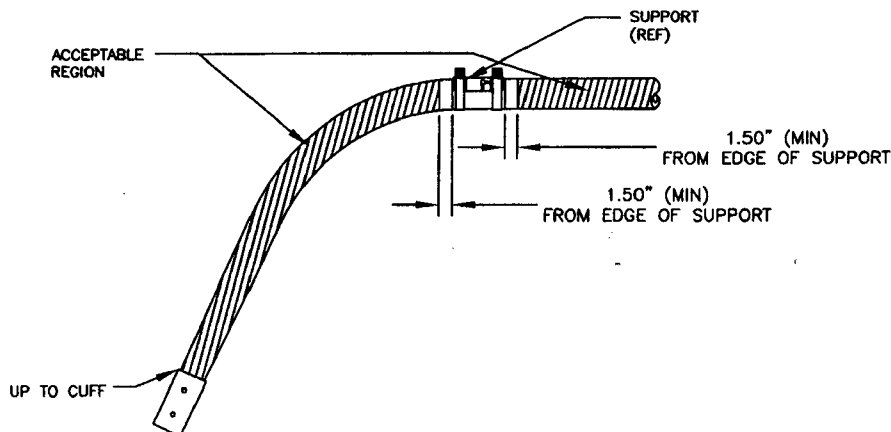


FIGURE 1 — ACCEPTABLE REGIONS TO BE COATED WITH ARMOR SHIELD

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 06.02.14
CERT. NO.: SH03-6/SH01-9/SH01-5
ISSUE NO.: 3/3/3

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries